

FARM NEWS.

BREEDING FOR DAIRY.

The best method for breeding for dairy cows seems to be often misunderstood. For instance, some people make a point of breeding up a good Jersey herd for the sake of rich milk. Then they turn in a Holstein bull to increase the quantity, supposing that the progeny will be copious milkers as well as rich milkers.

Experience shows such an effort to be a failure. The mixing of distinct breeds works badly. Each has been bred in distinct lines, which clash when they come together, and tend to destroy each other. Line breeding, as it is called, is best. You must select a given breed and stick to it to get best results.

Rather than mix the breeds, it is better to breed a bull of pure stock on scrub cows, and thus grade up. This can be done, because the scrubs have no strong progeny in any given line, and directing of tendency falls to the bull.

However, the bringing up a dairy cow counts for about as much as her breeding. Often this will give better qualities to a scrub than are possessed by a pure-bred cow, that has been starved and stunted by poor food and bad treatment.

BUTTER FAT AND BUTTER.

What is the difference, you ask, between butter fat and butter? Or how much butter will a given amount of butter fat make?

Well, the difference is usually about 15 or 20 per cent. That is, eighty pounds of butter fat will churn about 100 pounds of butter. The amount varies, according to the way of doing the work, for some butter has more water, salt and curds in it than other butter. Any way, there will be more butter than butter fat.

A POISON PLANT.

Look out for the water hemlock. It is a poisonous plant that grows in marshy places and kills cattle that happen to eat it. The owner thinks his cows have "blind staggers" when it is hemlock poisoning.

The plant has an offensive odor, which generally keeps stock from eating it, but not always. The hemlock resembles peppergrass, and in good soil may grow to a height of several feet. It kills horses as well as cows.

Sometimes it is known as "wild parsnip" and it is rapidly fatal to both man and beast. It is one of the most poisonous native plants in the United States. It accounts for the frequent and mysterious death of cows that often occurs while feeding on swampy pastures. Some notable cases recently occurred near Bristol, Tenn., which were referred to government experts and resulted in the information given above. No remedy has yet been discovered.

FEEDING THE CALF.

Say what you please, raising a calf by hand is not nature's way, and is not so good, but the difference in cost is supposed to make up for the defects.

When the calf sucks, it gets a tiny stream of milk that is well mixed with saliva which flows copiously at the same time. This saliva is very necessary to digestion. It is really more important than the milk, and that is why it is so rich in cream. Milk is too rich in cream for the calf.

If the calf drinks its milk in a hurry, it does not get the milk properly. Hence the digestion will not be perfect. But is there no way to improve the usual drinking method? There is at least to some extent. It is to feed a small quantity

of milk at a time—say about a pint. This gives time for saliva to collect in the calf's mouth between drinks, and the effect is much better.

HOOK-WORM IN CATTLE.

Cattle in the Southern States are considerably affected by the hook-worm. In South Carolina, especially, it is a serious pest, which often produces death.

The disease comes on with slow fever, diarrhoea and loss of appetite. It soon becomes chronic with constipation, emaciation, and thinness of blood. Young cattle are more subject to it than old ones. The worm is found principally in the first part of the small intestine and attacks the mucous membrane with sharp teeth, sucking blood from the wound.

The full-grown worm is of about the thickness of a pin, and from one-half to five-eighths of an inch in length. Eggs are deposited in the intestines and discharged with the feces. They seem to hatch in the pasture grass which they climb ready to be eaten by the cattle and complete the circle of their life.

The prospect for a cure of the disease is not flattering. Prevention is the main hope. Dry weather is destructive to the parasite. Rotation of crops also tend to destroy it. Manure from the stalls should be disinfected, and lowland pastures should be avoided, as the parasite thrives best in damp places.

BEST BREED OF COWS.

Strange as it may seem to say so, there is no best breed of cows, which says or anything else. It is true, that some breeds are better than others, but when it comes to deciding among the few best ones, much must be left to individual preferences and varying circumstances and conditions.

When it comes to making a selection, it pays best to choose the breed most prevalent in your vicinity, provided it is one of the best standard breeds. This will enable you to sell your products to better advantage and ship to better advantage. If your community is known far and wide as making a specialty of any certain breed, buyers will come after them and pay you a better price if they can get enough to ship in car lots. So, if you are a practical man this will decide your choice rather than any fancied superiority of breeds.

The virtues of the different breeds balance up pretty well any way. While Jerseys give richer milk, Holsteins give more of it. One breed eats less and another makes more beef. It is well to study up all the points and then decide, according to your needs and best judgment.

SOURING CREAM.

The quality of butter seems affected by the degree of ripeness at which the cream is churned, than by any other one thing. It is now becoming the fashion in some quarters to churn sweet cream. It is said that the latter keeps longer, and some like it better, though a moderate degree of ripeness produces butter of the most popular flavor. It is well known that over-ripe cream makes an ill-flavored butter, and the wonder is that so much of it is produced. Negligence and procrastination are not for most of it.

DAIRY NOTES.

The only reason he milk your cows quickly during a thunderstorm is that the temperature is higher and favors germ action.

If you want plenty of good milk from your cow you must treat her well. Constant fear reduces the milk production.

Have some lard or vasoline handy to anoint sore cuts. Sore teats and a tender udder often make the cow kick when otherwise she would not do so.

The heifer calves should be petted and fondled from babyhood when you expect to make milk cows of them. It is good even to rub their udders and develop in them the motherly cow nature.

The children in Illinois are taught in school to test milk for butter fat. The Babcock tester is used on samples of milk brought to school by the children.

A kicking cow may often be cured by bucking a strap one inch wide around each hind leg, a little above the hock, tight enough to compress the hamstring.

Stables for dairy cows should be cleaned at least once a day, and the bodies of the cows should be kept free from filth and manure.

Don't keep dairy utensils in the barn, but in a room specially constructed for the purpose. Remove milk at once when done milking.

Cows with their first calves are said to give down their milk to a machine better than cows milked by hand.

When the pastures are dry in the fall give the cows green corn rations. They must have something juicy to keep up the flow of milk.

OUR NEIGHBORS.

Traffic on the Big Sandy division and especially at this place is so heavy it became necessary for the C. & O. to declare an embargo on the tie and tanbark business on account of the scarcity of cars. The North-East Coal Co. is likewise experiencing trouble getting cars. Business is certainly booming in this section.—Paintsville Herald.

Miles Ramey, who says he is 15 years of age and an orphan, from the East Point section, is in jail here and has confessed to the theft of two watches and ten dollars from guests of the Hager Hotel. Ramey came here a few days ago and after telling Col. D. Milt Hager a hard luck story was given a job as porter at the hotel. The boy's conduct seemed to be good and was trusted. Tuesday morning when the guests arose for breakfast, S. B. Metzger, of Salyersville, and B. T. Brown, of Frothingham, Md., reported the loss of their fine gold watches and Mrs. Hazelrigg discovered that \$10 had cleverly slipped away. A search was instituted for the Ramey boy and it was learned that he had gone to the depot. He was searched and the watches and money taken from him and his arrest followed. He confessed his guilt and was placed in jail. Owing to his tender age he will likely be sent to the reform school. Among other things "found" on Ramey was a bunch of keys at least 12 in number, which Ramey says he took from Hon. F. A. Hopkins, of Prestonburg.—Paintsville Herald.

\$100 REWARD, \$100.

The readers of this paper will be pleased to learn that there at least one dreaded disease that science has been able to cure in all its stages, and that is Catarrh. Hall's Catarrh Cure is the only positive cure now known to the medical fraternity. Catarrh being a constitutional disease, requires a constitutional treatment. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system, thereby destroying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprietors have so much faith in its curative powers that they offer One Hundred Dollars for any case that it fails to cure. Send for list of testimonials.

Address: F. J. CHENEY & Co., Toledo, O. Sold by Druggists. Take Hall's Family Pills for constipation.

Programme

For the Fall Term and Bear Creek District Sunday School Convention to be held at Buchanan Chapel Tuesday, September 28, 1909, beginning at 9:30. Devotional exercises by pastor in charge, Rev. C. Deen, and others.

Address of Welcome, J. Zach Bellamy, Response, Eugene Grimes. What constitutes a good district? Consideration, Okey J. Vannatta, Response, L. B. House.

Open table of service in the Sunday School, Rev. L. M. Chapley, Response, Charles Miller.

Bringing the group people into Sunday School, Sunday School, Response, J. G. Hark.

Roll call of Sunday Schools and Secretaries' Report.

Applaudment of local trees.

Report of Committee on Nominations.

Teaching Children Temperance, Robert Rogers, Jr., Response, J. F. Hatten.

How can Superintendents be induced to make Reports, Reuben Curran, Response, H. D. Yates.

Relation of Sunday School to the Church, Rev. J. C. Buckley, Response, J. K. Fuller.

Training Children for the Home and Sunday School, Mrs. Will Burk, Response, Mrs. Martha Layne.

Music in the Sunday School, Bert Carter, Response, Eli Frasier.

The Early History of the Sunday Schools in the Big Sandy Valley, R. T. Burns.

Short Talks by Sunday School Workers.

Everybody is invited to attend and bring dinner with you.

Chas. Miller, President. Elizabeth Hatten, Secretary.

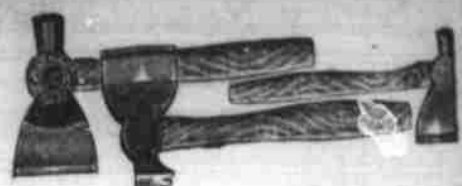
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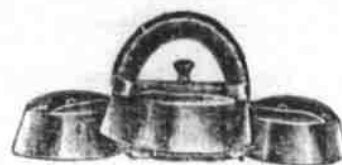
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Popular Weather Signs.

Men of science tell us in some cases what are the danger signals.

Men of science tell us in some cases what are the danger signals. Stories are generally told of the distance, counting numbers from the lightning's flash to the sound of the thunder. The approach of rain is signified in many ways. The white and red sunflowers, when close to the ground, the red washes its face, and the clouded bar a sad and plaintive note, the farm-yard goose runs about and shows general restlessness, the peacock utters frequent cries, the woodpecker utters or sighs; the parrot chatters, the gull-fowl peckers, the frog remains silent; the toad walks about; flowers have a stronger odor and many among them close up.

There are also other signs none the less rare for prognosticating fine weather. The birds twitter, the red-throat sings on the top of the highest trees, the swallow flies into the clouds; the lark rises from the ground and mounts into the air singing; the cricket makes his cry heard; the tree frog climbs the trees, and the flowers open. Finally there are a few varied observations which will complete these signs. An everlasting flower hung on the wall opens in fine weather and closes when it rains. When the spider leaves off working at its web it is a sign of rain. If it continues or recommences its weaving during the night it is a sign that the good weather will return. When rain begins to fall if hens do not hide themselves, but continue to look for their food, it means that the rain will not cease all day. If they take refuge at the first drop of rain it is a sign that it will not last. When only one magpie leaves its nest it is a sign of rain. If the father and mother quit it together it is a sign of good weather.

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